

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2001-58

FOR

EUREKA FISHERIES, INC.

AND

FUR BREEDERS AGRICULTURAL COOPERATIVE

Humboldt County

**WASTEWATER MONITORING**

A grab sample, taken during typical operating conditions, shall be collected from the discharge outfall on a quarterly frequency in January, April, July, and October during normal seafood processing operations. The sample shall be analyzed for total suspended solids, oil and grease, and pH. For each day on which samples are collected, the Permittee shall report the total weight of each type of seafood processed on that day (i.e., crab and/or bottom fish) and the quantity of process water discharged.

**RECEIVING WATER MONITORING**

Samples shall be collected in an ambient background location upstream of the discharge and downstream in the vicinity of the discharge. Frequency of sample collection shall coincide with quarterly outfall sampling. Samples shall be analyzed for pH, turbidity and temperature.

The receiving water shall be observed monthly, both in an ambient background location upstream of the discharge and in a location downstream of the discharge for evidence of floatables (solids, liquids, foam, scum), visible films (oils, greases, waxes), aquatic growths, and discoloration. Observations shall be recorded and included in quarterly monitoring reports.

**CHRONIC TOXICITY MONITORING**

1. Chronic Toxicity Monitoring Requirements
  - a. Sampling. The permittee shall collect 8-hour composite or 24-hour composite samples of effluent for critical life stage toxicity testing as indicated below. For toxicity tests requiring renewals, 8-hour or 24-hour composite samples collected on consecutive days are required.
  - b. Test Species: Chronic toxicity shall be monitored by using critical life stage test(s) and the most sensitive test specie(s) identified by screening phase testing in **D. General Provision.20** (d) of this Order. Test specie(s) shall be approved by the Executive Officer. Two test species may be required if test data indicate that there is alternating sensitivity between the two species.

- c. Frequency:
  - (1) Routine Monitoring: Once per year
  - (2) Accelerated Monitoring: Quarterly, or as otherwise specified by the Executive Officer.
- d. Conditions for Accelerated Monitoring: The Permittee shall conduct accelerated monitoring when either of the following conditions are exceeded:
  - (1) Three-sample median value of 1 TUc, or
  - (2) Single-sample maximum value of 2 TUc.
- e. Methodology: Sample collection, handling and preservation shall be in accordance with EPA protocols. The test methodology used shall be in accordance with the references cited in this Permit, or as approved by the Executive Officer. The sensitivity of the test organisms to a reference toxicant shall be determined concurrently with each bioassay and reported with the test results.
- f. Dilution Series: The Permittee shall conduct tests at 100%, 85%, 70%, 50%, and 25%. The “%” represents percent effluent as discharged. Dilution and control waters shall be obtained from an area unaffected by the discharge in the receiving waters. Standard dilution water may be used if the above sources exhibit toxicity or if approved by the Executive Officer.

## 2. Chronic Toxicity Reporting Requirements

- a. Routine Reporting: Toxicity test results for the current reporting period shall include, at a minimum, for each test:
  - 1. sample date(s)
  - 2. test initiation date
  - 3. test species
  - 4. end point values for each dilution (e.g. number of young, growth rate, percent survival)
  - 5. NOEC value(s) in percent effluent
  - 6. IC<sub>15</sub>, IC<sub>25</sub>, IC<sub>40</sub>, and IC<sub>50</sub> values (or EC<sub>15</sub>, EC<sub>25</sub> ... etc.) in percent effluent
  - 7. TUc values (100/NOEC, 100/IC<sub>25</sub>, and 100/EC<sub>25</sub>)
  - 8. Mean percent mortality ( $\pm$ s.d.) after 96 hours in 100% effluent (if applicable)
  - 9. NOEC and LOEC values for reference toxicant test(s)
  - 10. IC<sub>50</sub> or EC<sub>50</sub> value(s) for reference toxicant test(s)
  - 11. Available water quality measurements for each test (ex. pH, D.O., temperature, conductivity, hardness, salinity, ammonia)

- b. Compliance Summary: The results of the chronic toxicity testing shall be provided in the most recent self-monitoring report and shall include a summary table of chronic toxicity data from at least eleven of the most recent samples. The information in the table shall include the items listed above under 2.a., item numbers i, ii, iii, vi (IC<sub>25</sub> or EC<sub>25</sub>), vii, and viii.

After at least two test rounds, the permittee may request the Executive Officer to decrease the required frequency of testing, and/or to reduce the number of compliance species to one. Such a request may be made only if toxicity exceeding the TUc values specified in the effluent limitations was never observed using that test specie.

### **REPORTING**

Monitoring reports shall be reported in a tabular format and submitted to the Regional Water Board office such that they are received by the first day of the second month following sampling. If holiday work schedules prevent sample collection on the date specified by this monitoring program, a substitute sample shall be collected and an explanation of the circumstances shall be included with the self-monitoring report.

Ordered by \_\_\_\_\_  
Lee A. Michlin  
Executive Officer

June 28, 2001

(EUREKAFISHERIESMON)